

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Steven C. Constable

Serial No. TBD

Filed: June 10, 2005

For: SYSTEM AND METHOD FOR
HYDROCARBON RESERVOIR
MONITORING USING
CONTROLLED-SOURCE
ELECTROMAGNETIC FIELDS

Group Art Unit: To be assigned

Examiner: To be assigned

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR Sections 1.97 and 1.98, the items identified in this Information Disclosure Statement ("IDS") are brought to the attention of the Office. The items are listed on the attached form PTO/SB/08A. With reference to the Pre-Official Gazette Notice by the Office of Patent Legal Administration, this application was filed after June 30, 2003, therefore copies of cited U.S. Patents and Publications are not submitted.

CERTIFICATE OF MAILING

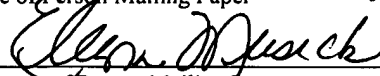
(37 C.F.R. § 1.8)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

June 10, 2005

Eleanor M. Musick

Name of Person Mailing Paper



Signature of Person Mailing Paper

The items identified in this IDS may or may not be "material" pursuant to 37 CFR 1.56. The submission thereof by Applicants is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR 1.97(h)), or even qualifies as "prior art" under 35 USC 102 with respect to this invention unless specifically designated by Applicant as such.

FILING PROVISION

This IDS is believed to be timely and is submitted under 37 CFR 1.97(b)(3) before the mailing of a first Office Action on the merits. However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c).


PAYMENT AND/OR AUTHORIZATION TO CHARGE FEES:

No fees are required with this filing under 37 CFR 1.97(b)(3), however, if applicant is incorrect in this regard or if the filing is accepted under 37 CFR 1.97(c), the Commissioner is hereby authorized to charge any fees required by the filing of these papers to Procopio's Deposit Account No. **50-2075**.

Respectfully submitted

Dated: June 10, 2005

By:



Eleanor M. Musick
Reg. No. 35,623
Attorney for Applicants

Procopio, Cory, Hargreaves & Savitch LLP
530 B Street, Suite 2100
San Diego, California 92101
Telephone: (760) 931-9700
Facsimile: (760) 931-1155

Docket No.: US3083 (111845-0058)

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitution for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	10/538326
				Filing Date	June 10, 2005
				First Named Inventor	Steven C. Constable
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	1	of	2	Attorney Docket Number	US3083 (111845-0058)

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number-Kind Code ² (if known)				
	A1	2,293,024	08-11-1942	Klipsch		
	A2	2,531,088	11-21-1950	Thompson		
	A3	2,839,721	06-17-1958	Witte		
	A4	2,872,638	02-03-1959	Jones		
	A5	3,052,836	09-04-1962	Postma		
	A6	3,182,259	05-04-1965	Mayes		
	A7	4,047,098	09-06-1977	Duroux		
	A8	4,298,840	11-03-1981	Bischoff et al.		
	A9	4,617,518	10-14-1986	Srnka		
	A10	5,770,945	06-23-1998	Constable		
	A11	6,480,000 B1	11-12-2002	Kong et al.		
	A12	2003/0043692 A1	03-06-2003	Ellingsrud et al.		
	A13	2003/0048105 A1	03-13-2003	Ellingsrud et al.		
	A14	2003/0052685 A1	03-20-2003	Ellingsrud et al.		
	A15	6,603,313 B1	08-05-2003	Srnka		
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Column, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ -Kind Code ⁵ (if known)				
	A16	WO 01/20366 A1	03-22-2001	Srnka		
	A17	WO 01/57555 A1	08-09-2001	Ellingsrud, et al.		
		WO/03/048812 A1	06-12-2003	MacGregor et al.		
Examiner Signature			Date Considered			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent documents. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/538326
				Filing Date	June 10, 2005
				First Named Inventor	Steven C. Constable
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket Number	US3083 (111845-0058)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	B1	PAUL, A.C., "Evolution of Wireline Well-Logging Technique (The Eye of Oil Industry) in India and Advances Beyond 2000", <i>Geohorizons</i> , January 2002.	
	B2	COX, C.S., et al., "Controlled-source electromagnetic sounding of the oceanic lithosphere" (6 march 1986) <i>Nature</i> , Vol. 320, No. 6057, pp. 52-54.	
	B3	SINHA, M.C., et al., "An Active Source Electroagnetic Sounding System for Marine Use" <i>Marine Geophysical Researches</i> 12:59-68 (1990)	
	B4	CONSTABLE, S., et al., "Marine controlled-source electromagnetic sounding 2. The PEGASUS experiment" <i>Journal of Geophysical Research</i> , Vol. 101, No. B3, pp. 5519-5530 (Mrch 10, 1996)	
	B5	FLOSADOTTIR, A.H., et al., "Marine controlled-source electromagnetic sounding 1. Modeling and experimental design" <i>Journal of Geophysical Research</i> , Vol. 101, No. B3, pp. 5507-5517 (March 19, 1996)	
	B6	MacGREGOR, L, et al., "Electrical resistivity structure of the Valu Fa Ridge, Lau Basin, from marine controlled-soiurce electromagnetic sounding", <i>Geophys. J. Int.</i> (2001) 146, 217-236	
	B7	EIDSMO, T., et al., "Sea Bed Logging (SBL), a new method for remote and direct identification of hydrocarbon filled layers in deepwater areas", <i>First Break</i> Vol. 20.3 (March 2002), pp. 144-152.	
	B8	ELLINGSRUD, S., et al., "Remote sensing of hydrocarbon layers by seabed logging (SBL): Results from a cruise offshore Angola", <i>The Leading Edge</i> (October 2002), pp. 972-982.	
	B9	EVERETT, Mark E., et al., "Effects ofnear-surface conductance on global satellite induction responses", <i>Geophysical Journal International</i> , 15:37 (March 7, 2003), pp. 277-286.	
Examiner Signature		Date Considered	

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.